Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Original) A method of treating primary cancer which comprises administering to a patient in need of such treatment a therapeutically effective amount of a topoisomerase inhibitor, or a pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, and a therapeutically effective amount of thalidomide, or a pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof.
- 2. (Original) A method of treating metastatic cancer which comprises administering to a patient in need of such treatment a therapeutically effective amount of a topoisomerase inhibitor, or a pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, and a therapeutically effective amount of thalidomide, or a pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof.
- 3. (Original) The method of claim 1 or 2 wherein the cancer is cancer of the head, neck, eye, mouth, throat, esophagus, chest, bone, lung, colon, rectum, stomach, prostate, breast, ovaries, kidney, liver, pancreas, and brain.
- 4. (Original) The method of claim 3 wherein the cancer is colon or rectal cancer.
- 5. (Previously presented) The method of claim 1 or 2 wherein the topoisomerase inhibitor is selected from the group consisting of camptothecin, irinotecan, SN-38, topotecan, 9-aminocamptothecin, GG-211, DX-8951f, saintopin, UCE6, UCE1022, TAN-1518A, TAN-1518B, KT6006, KT6528, ED-110, NB-506, ED-110, NB-506, rebeccamycin, bulgarein, Hoescht dye 33342, Hoechst dye 33258, nitidine, fagaronine, epiberberine, coralyne, beta-lapachone, BC-4-1, IST-622, rubitecan, pyrazoloacridine, XR-5000, and pharmaceutically acceptable prodrugs, salts, solvates, clathrates, hydrates, and metabolites thereof.

2

- 6. (Original) The method of claim 1 wherein the topoisomerase inhibitor is not irinotecan.
- 7. (Original) The method of claim 5 wherein the topoisomerase inhibitor is irinotecan or SN-38.
- 8. (Original) The method of claim 7 wherein the irinotecan or SN-38, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 1 to about 1000 mg/m², and the thalidomide, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 1 to about 2000 mg.
- 9. (Original) The method of claim 8 wherein the irinotecan or SN-38, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 25 to about 750 mg/m², and the thalidomide, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 50 to about 1000 mg.
- 10. (Original) The method of claim 9 wherein the irinotecan or SN-38, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 50 to about 500 mg/m², and the thalidomide, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 100 to about 750 mg.
- 11. (Original) The method of claim 10 wherein the irinotecan or SN-38, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 100 to about 350 mg/m², and the thalidomide, or pharmaceutically acceptable prodrug, salt, solvate, hydrate, or clathrate thereof, is administered in an amount of from about 200 to about 500 mg.

12-60. (Canceled)

61. (New) The method of claim 1 or 2, wherein thalidomide is administered.

3

62. (New) The method of claim 1 or 2, wherein the thalidomide salt or solvate is administered.